



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Kiyoshi Matsumoto et al.

Atty. Dock. No. JIM-0002

Serial No.: 09/884,102

Examiner: Kimberly White

Filed: June 20, 2001

Art Unit: 2631

For: DIGITAL BROADCASTING RECEIVER

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**ASSOCIATE POWER OF ATTORNEY AND
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Commissioner for Patents
Washington, D.C. 20231

Date: November 6, 2002

Sir:

The undersigned, the attorney of record in connection with the above-identified application, hereby grants and appoints as associate attorneys to conduct all business before the United States Patent and Trademark Office relative to said application:

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Respectfully submitted,

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Docket No.: J1m-00002 File No. 85450-0002
Date: June 29, 2001
Serial No.: 09/884,102
Re: Digital Broadcasting Receivers
For:

Decl. of Use	\$8	\$15
TM Renewal	Main. Fee	
Assignment	Sm. Entity Decl	
Issue Fee	Inf. Disclosure Sta.	
Prelim/amend	Check for	
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United States Patent Application**Kind Code****Matsumoto, Kiyoshi ; et al.****RECEIVED**

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20020059600

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May 16, 2002

Digital broadcasting receiver

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Abstract

A system controller reads out program information from a memory to compose a program table, causes the program table to be displayed on a screen of a CRT using an OSD circuit, issues a conversion command to a scanning line conversion circuit, and displays reduced video of the selected program on a screen of the CRT. Further, the system controller judges whether or not the selected program has not been contracted yet, for example, on the basis of information provided from a CA module, reads out from a nonvolatile memory message data representing "You cannot view" if the selected program has not been contracted yet, and causes the message to be displayed on a reduced video display area using the OSD circuit.

Inventors: **Matsumoto, Kiyoshi; (Osaka, JP) ; Wakisaka, Masako; (Osaka, JP)****Correspondence** **ARENT FOX KINTNER PLOTKIN & KAHN, PLLC****Name and** **Suite 600****Address:** **1050 Connecticut Avenue, N.W.****Washington****DC****20036-5339****US****Assignee Name** **SANYO ELECTRIC CO., LTD.****and Adress:****Serial No.:** **884102****Series Code:** **09****Filed:** **June 20, 2001****U.S. Current Class:****725/40****U.S. Class at Publication:****725/40****Intern'l Class:****G06F 003/00; H04N 005/445; G06F 013/00**